## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/04038

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H01M4/06, 4/50, 6/16, 4/02, 4/58, 10/40			
According to International Patent Classification (IPC) or to both national classification and IPC			
	OS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> H01M4/06, 4/50, 6/16, 4/02, 4/58, 10/40			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003			
Electronic o	data base consulted during the international search (nar	ne of data base and, where practicable, sea	rch terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.
х	JP 58-218755 A (Yuasa Batter 20 December, 1983 (20.12.83) Page 1, lower left column, 1 upper left column, line 2 to line 5 (Family: none)	, ines 4 to 8; page 2,	
х	JP 63-24301 B2 (MATSUSHITA ELECTRIC INDSUTRIAL CO., LTD.), 20 May, 1988 (20.05.88), Page 1, column 1, lines 1 to 21 & EP 33853 A2 (MATSUSHITA ELECTRIC INDSUTRIAL CO., LTD.), 19 August, 1981 (19.08.81), Claims 1 to 6 & US 4336315 A1		1
Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot step when the document of particular relevance; the claimed invention cannot step when the document is taken alone  "V" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  07 July, 2003 (07.07.03)  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention cannot considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of mailing of the international search report  22 July, 2003 (22.07.03)		the application but cited to carlying the invention cannot be red to involve an inventive claimed invention cannot be red to involve an inventive claimed invention cannot be when the document is documents, such skilled in the art family	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.		Telephone No.	

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
· ·
No.   Commo 1.00.
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be comised out any if all the prescribed requirements to such an
extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
(See extra sheet)
·
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable
claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers
only those claims for which fees were paid, specifically claims Nos.:
y manufacture to the para, specifically claims (405.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this international search report is
restricted to the invention first mentioned in the claims; it is covered by claim No.: 1
Table 10 to
Permenting D. 4 of Co. Transaction of the Co.
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.
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## Continuation of Box No.II of continuation of first sheet(1)

In order for the group of inventions claimed in the claims to satisfy the requirement of unity of invention, there must be "special technical features" which link the group of inventions so as to form a single general inventive concept.

The technical features recited in claims 1-3 and 7 cannot be "special technical features" since, for example, prior art reference JP 58-218755 A (Yuasa Battery Co., Ltd.) 1983. 12. 20 at claims and lower column of page 2 teaches an organic electrolyte battery including a positive electrode containing manganese dioxide as an active substance to which 0.1 to 6 wt.% of calcium oxide has been added and JP 63-24301 B2 (Matsushita Electric Industrial Co., Ltd.) 1988. 05. 20 at claims teaches an organic electrolyte battery including a positive electrode containing manganese dioxide as an active substance into which a given amount of alkaline earth metal oxide has been mixed.

The technical features recited in claims 14-15 and 20 cannot be "special technical features" since, for example, prior art reference JP 8-102332 A (Hitachi, Ltd.) 1996. 04. 16 at claims and Example 1 teaches a nonaqueous electrolyte secondary battery including a positive electrode comprising lithium cobaltate and, added thereto, calcium oxide.

Further, the technical features recited in claims 14-16 and 20 cannot be "special technical features" since, for example, prior art reference JP 7-153496 A (Hival Ltd.) 1995. 06. 16 at claims and Examples teaches a nonaqueous electrolyte secondary battery including a positive electrode comprising 87 pts.wt. of lithium manganate mixed with 2 pts.wt. of barium oxide or the like.

Therefore, "special technical features" do not exist in the claims 1 to 26, and hence it appears that the claims of this application comprehend 12 inventions to be divided into claims 1, 2, 3, 4-6, 7, 8-13, 14, 15, 16, 17-19, 20 and 21-26.